

## TOPENS A8

# TOPENS A8 Automatic Gate Opener User Manual

**MODEL: A8**

**Brand: TOPENS**

## 1. INTRODUCTION

The TOPENS A8 automatic gate opener is engineered for heavy-duty single swing gates, capable of handling gates up to 880 lbs in weight or 18 ft in length. This system is designed to provide reliable and convenient gate automation, enhancing security and ease of access for various applications including residential properties, courtyards, and farms. Its robust 24VDC 80W motor ensures smooth and quiet operation.

## 2. SAFETY INFORMATION

Always prioritize safety during installation, operation, and maintenance of the gate opener. Failure to follow safety instructions can result in serious injury or property damage.

- Ensure all electrical connections are made by a qualified professional and comply with local electrical codes.
- Keep children and pets away from the gate area, especially during operation.
- Do not attempt to operate the gate if any part of the system is damaged or malfunctioning.
- The system includes a stop-and-reverse function for obstacle detection. Regularly test this feature to ensure it is working correctly.
- Utilize the manual release key in case of power outage or system malfunction to operate the gate manually.
- The remote controls use advanced TOPENS code technology to prevent unauthorized access. Keep remotes secure.

## 3. PRODUCT OVERVIEW AND COMPONENTS

The TOPENS A8 automatic gate opener kit includes all necessary components for a standard installation.



This image displays the complete TOPENS A8 automatic gate opener kit, including the linear actuator arm, control box, power adapter, two remote controls, and various mounting brackets and hardware.

### Included Components:

- 1 x Linear Actuator Arm (A8)
- 1 x Control Box
- 2 x M12 Remote Controls
- 1 x Full Set of Required Installation Hardware (mounting brackets, bolts, etc.)
- 1 x Manual Release Key

## 4. SPECIFICATIONS

Feature	Specification
Model Number	A8
Gate Capacity (Weight)	Up to 880 lbs (400 kg)

Feature	Specification
Gate Capacity (Length)	Up to 18 ft (5.5 m)
Motor Voltage	24 Volts DC
Wattage	80 watts
Horsepower	0.11 hp
Amperage Capacity	3 Amps
Sound Level	50 dB
Product Dimensions	33.7 x 3.3 x 4.1 inches
Item Weight	18 pounds
Power Source Options	AC or Battery, Solar Capable
Batteries Included	6 CR2 batteries (for remotes)
Color	Black
Special Features	Easy to Install

# Compatible Accessories

Available at TOPENS Online Store



**TC196 Tuya WiFi Remote Control**



**TC188 Universal Keypad**



**TC175P Wired Keypad**



**TKP3 Wireless Keypad**



**TEW3 Vehicle Sensor Exit Wand**



**HLR01 Homelink Remote Control Kit**



**TSP30W 24V 30W Solar Panel Charging Kit**



**TSQ20W 24V 20W Solar Panel Kit**



**ET24 Electric Gate Lock**



**TRF3 Reflection Photocell Sensor**



**TC102 Photo Eye Beam Sensor**



**JD24VY Warning Light**



**M12 Remote Control Transmitter**



**ERM12 Universal External Receiver**



**TC148 Waterproof Wall Push Button**



**TC173 Wireless Push Button**

A comparison table outlining the performance, gate capabilities, motor voltage, recommended power supply, battery usage, solar compatibility, included remote controls, compatible accessories, and arm dimensions for TOPENS models A8, A8S, and A8131.

## 5. SETUP AND INSTALLATION

The TOPENS A8 gate opener is designed for straightforward installation, requiring only basic tools. Detailed step-by-step guidance is available in the comprehensive user manual (PDF) provided with the product.

### Installation Flexibility:

The A8 is compatible with various single swing gate types and supports both pull-to-open (gate swings inward) and push-to-open (gate swings outward) configurations, depending on your specific requirements and gate setup.



Performance	Heavy Duty	Heavy Duty	Heavy Duty
Gate Capabilities	18ft or 880lbs	18ft or 880lbs	18ft or 880lbs
Motor Voltage & Power	24VDC & 80W	24VDC & 80W	24VDC & 80W
Recommended Power Supply Mode	2 x 12V Battery (NOT Incl.)	2 x 12V Battery (NOT Incl.)	100-240VAC Electricity
Battery as Power Source	Main Power Source	Main Power Source	Add On Directly
Solar Compatible	√	√ (Incl.)	√
# of Remote Controls Included	2	2	2
Compatible Accessories	All the TOPENS Accessories	All the TOPENS Accessories	All the TOPENS Accessories
Arm Dimension	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)

This image displays a collage of different gate types, illustrating the versatility of the TOPENS A8 gate opener across various installations.

## Power Supply Options:

The A8 system offers flexible power options for energy conservation and adaptability:

- **AC Electricity:** Can be powered directly by AC electricity using the DPS180-U AC-DC Power Supply (not included).
- **Battery Power:** Operates with two 12V 12Ah automotive/marine type batteries (not included).
- **Solar Power:** Compatible with solar panels (e.g., 20W solar panel, not included) and a solar charge controller (not included) for off-grid applications.
- **Hybrid:** Combinations of AC, battery, and solar power are possible with appropriate adapters (e.g., TS24-U adapter, UPS01 adapter, not included).

# Support All the Power Modes

— Flexible & Durable Ways for Your Selection



AC Electricity

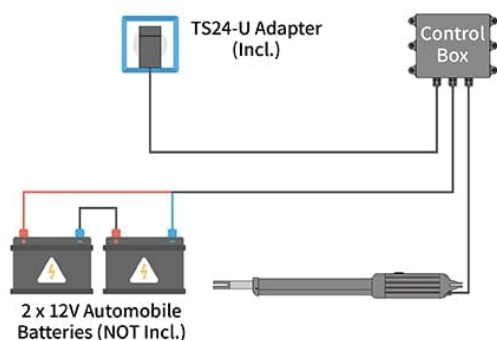


Battery

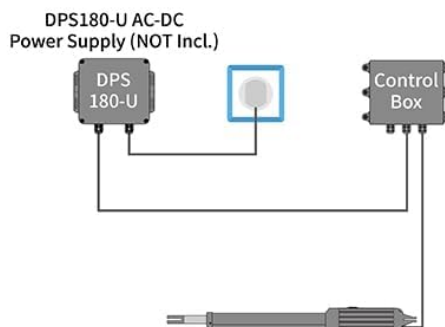


Solar Panels

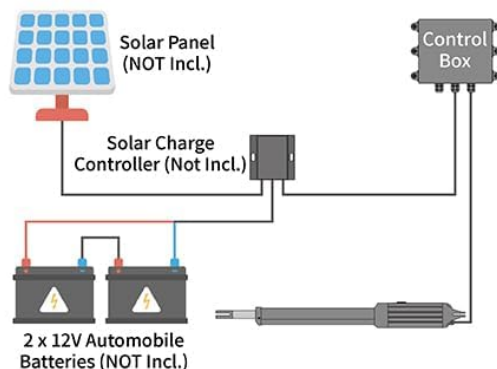
## Power Mode 1 By the Adapter and Batteries



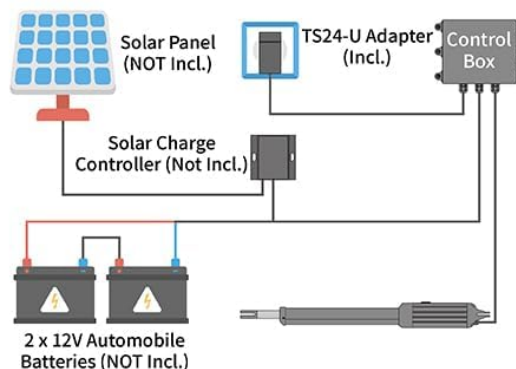
## Power Mode 2 Use AC Electricity Only



## Power Mode 3 By Solar Panels and Batteries



## Power Mode 4 By the Adapter, Solar Panels and Batteries



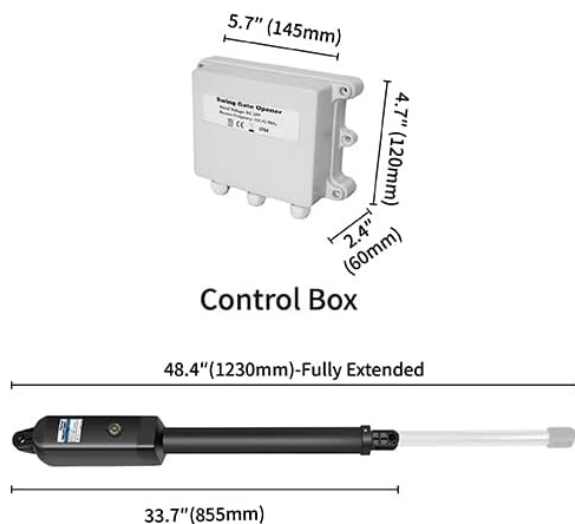
This graphic presents four different power modes for the TOPENS A8 gate opener: using an adapter and batteries, AC electricity only, solar panels and batteries, and an adapter with solar panels and batteries. Required and optional components are indicated.

### Dimensions and Wiring:

Accurate measurements and proper wiring are crucial for optimal performance. Refer to the detailed diagrams for control box and actuator arm dimensions, and typical wiring configurations.

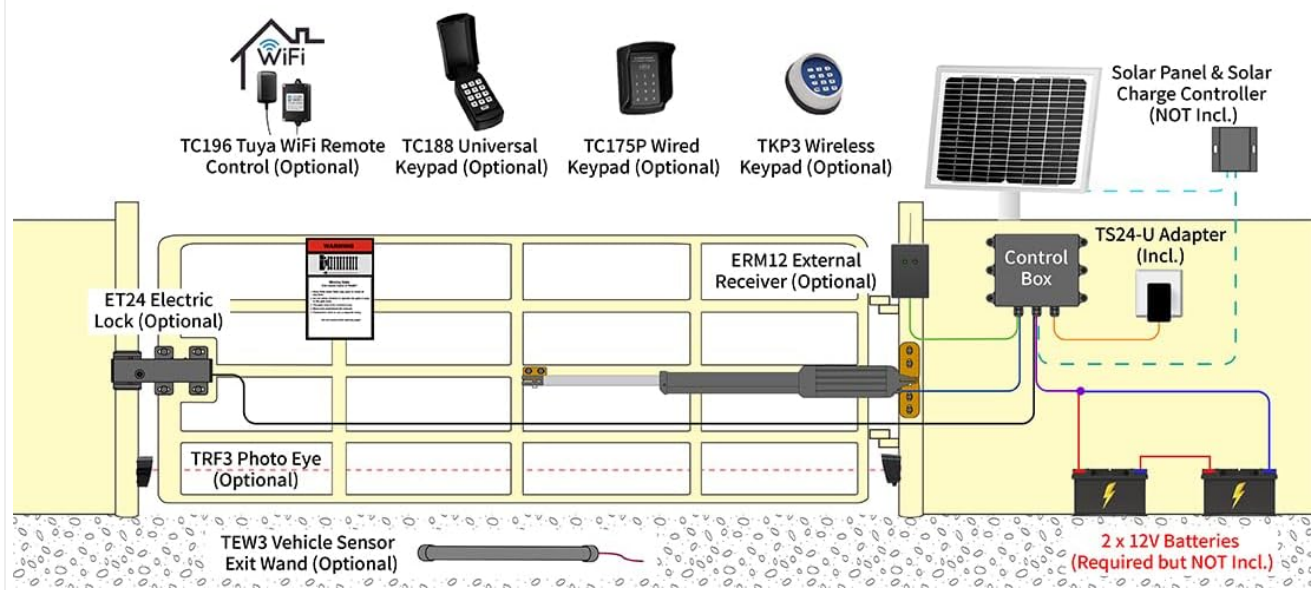


## Dimensions



## Customer Support

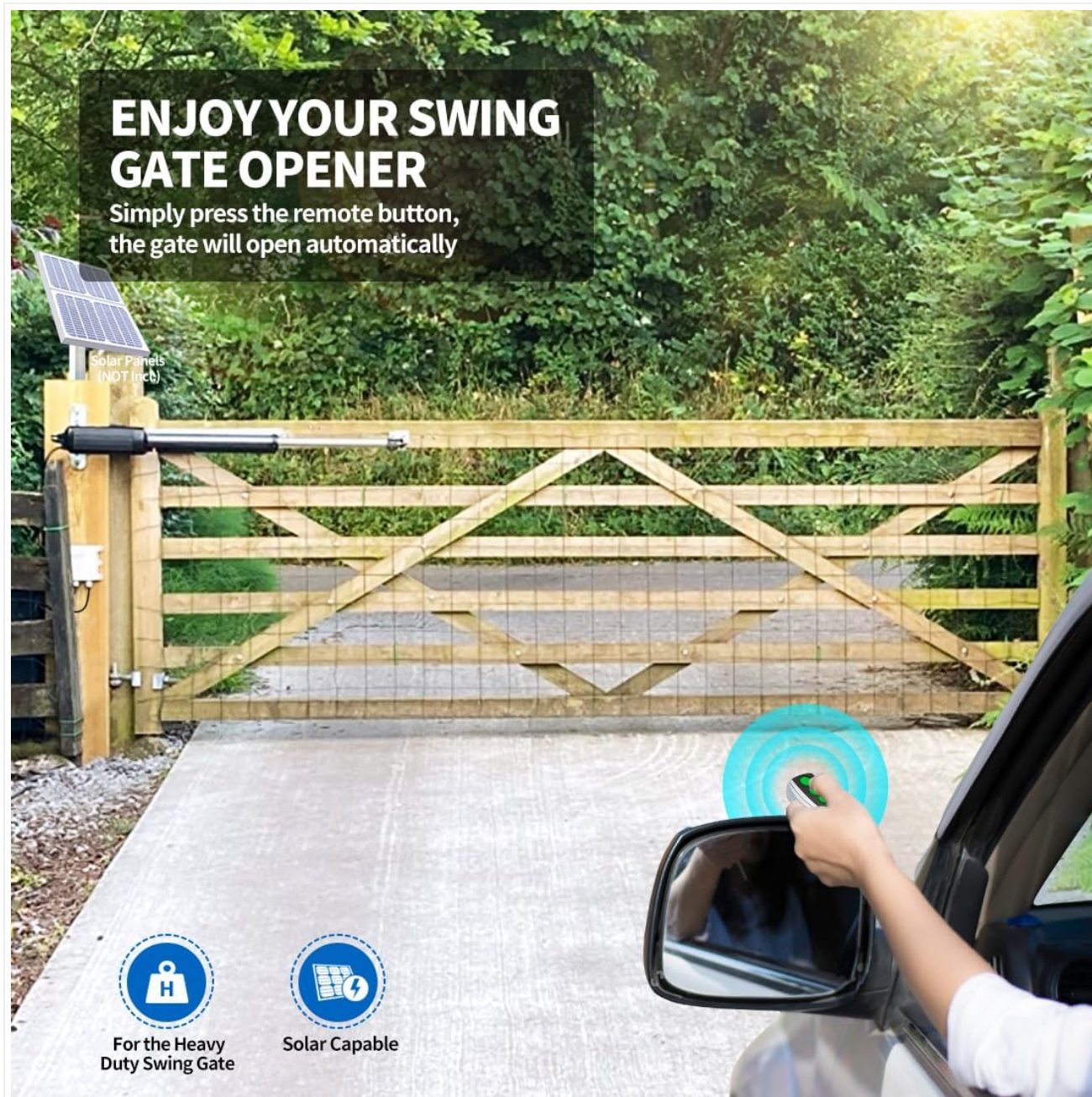
Visit TOPENS website for the user manual & installation video. Enjoy our customized tech support service. Your exclusive customer support specialist will help you get professional & timely solution.



This image provides the dimensions for the TOPENS A8 control box and the fully extended actuator arm. It also includes a diagram showing a typical gate installation with optional accessories like an electric lock, photo eye, and vehicle sensor.

## 6. OPERATING INSTRUCTIONS

The TOPENS A8 gate opener offers several features for convenient and secure operation.



An illustration showing a person operating a swing gate with the TOPENS A8 opener using a remote control. The gate is installed in a rural setting, demonstrating the product's application.

### Remote Control Operation:

The included M12 remote controls allow for convenient operation of the gate from a distance. Pressing the button will initiate the gate's opening or closing cycle. The remotes utilize advanced TOPENS code technology for secure communication.

### Key Features:

- **Soft Start and Soft Stop:** This function ensures a smooth and quiet gate movement, reducing wear and tear on the motor and extending its lifespan.
- **Auto-Close Feature:** For added security, the gate can be programmed to automatically close after a set period, ensuring your property remains secured after entry or exit.
- **Obstacle Detection:** The system is equipped with a stop-and-reverse function. If an obstacle is detected during the gate's operation, it will stop and reverse direction to prevent damage or injury.
- **Electromagnetism Limit Switch:** The reliable electromagnetism limit switch allows for easy adjustment of the gate's open and close positions.



- **Manual Release Key:** In the event of a power failure or system malfunction, the included manual release key allows you to disengage the motor and operate the gate manually.



A cutaway view of the TOPENS A8 motor, illustrating its internal components. Surrounding icons indicate features such as a smart chip, manual release key, electromagnetism limit switch, remote controls, waterproof design, working temperature range, and quiet operation.

## 7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your TOPENS A8 gate opener.

- **Regular Cleaning:** Keep the actuator arm and control box free from dirt, debris, and insects. Use a soft, damp cloth for cleaning.
- **Check Connections:** Periodically inspect all wiring and connections for signs of wear, corrosion, or looseness. Ensure they are securely fastened.
- **Lubrication:** Consult the full user manual for specific lubrication requirements for moving parts, if any.
- **Test Safety Features:** Regularly test the obstacle detection and auto-reverse functions to confirm they are operating correctly.

- **Battery Check:** If using battery power, check battery terminals for corrosion and ensure batteries are adequately charged.

## 8. TROUBLESHOOTING

---

If you encounter issues with your TOPENS A8 gate opener, consider the following common troubleshooting steps:

- **Gate Not Responding:** Check power supply connections. Ensure remote control batteries are functional. Verify that the manual release is fully engaged (not in manual mode).
- **Gate Stops or Reverses Unexpectedly:** This may indicate the obstacle detection system is triggered. Inspect the gate path for any obstructions. Adjust sensitivity if necessary (refer to the full manual).
- **Gate Operates Slowly or Unevenly:** Check for physical obstructions or excessive friction in the gate's movement. Ensure mounting brackets are secure and aligned.
- **Power Outage:** Use the manual release key to operate the gate manually until power is restored.

For more detailed troubleshooting guides and solutions, please refer to the comprehensive user manual or contact TOPENS customer support.

## 9. COMPATIBLE ACCESSORIES

---

TOPENS offers a range of compatible accessories to enhance the functionality and convenience of your A8 gate opener system.





A collage of various optional accessories compatible with TOPENS gate openers, including remote controls, keypads, vehicle sensors, solar panels, and warning lights.

### Available Accessories:

- **Remote Controls:** Additional M12 remote controls for multiple users.
- **Keypads:** TC188 Universal Keypad, TC175P Wired Keypad, TKP3 Wireless Keypad for keyless entry.
- **Vehicle Sensors:** TEW3 Vehicle Sensor Exit Wand for automatic exit.
- **Photo Eye Sensors:** TRF3 Reflection Photocell Sensor, TC102 Photo Eye Beam Sensor for enhanced safety.
- **Electric Locks:** ET24 Electric Gate Lock for increased security.
- **Solar Panels:** TSP30W 24V 30W Solar Panel Charging Kit, TSQ20W 24V 20W Solar Panel Kit for solar power integration.
- **Warning Lights:** JD24VY Warning Light for visual indication of gate operation.
- **Smart Control:** TC196 Tuya WiFi Remote Control for smartphone integration.

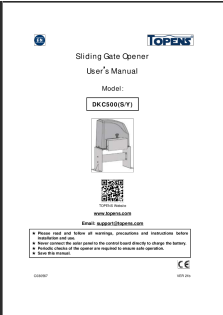
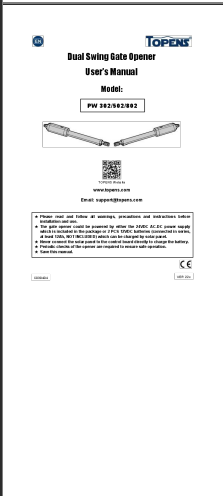


## 10. WARRANTY

All TOPENS products, including the A8 Automatic Gate Opener, are covered by a 12-month warranty against manufacturing defects. Additionally, TOPENS offers a 30-day exchange and return policy. Please retain your proof of purchase for warranty claims.

## 11. CUSTOMER SUPPORT

TOPENS is committed to providing professional and timely customer service. For further assistance, technical support, or to access the latest user manual and installation videos, please visit the official TOPENS website. Our dedicated support team is ready to offer solutions for any questions or issues you may encounter.

### Related Documents

	<p><a href="#">TOPENS DKC500(S/Y) Sliding Gate Opener User's Manual</a></p> <p>This user manual provides comprehensive instructions for the installation, operation, and maintenance of the TOPENS DKC500(S/Y) Sliding Gate Opener. It includes safety precautions, parts lists, technical specifications, and troubleshooting guides.</p>
	<p><a href="#">TOPENS Dual Swing Gate Opener User's Manual</a></p> <p>Comprehensive user manual for TOPENS Dual Swing Gate Openers, including models PW302, PW502, and PW802. This guide covers installation, operation, maintenance, and troubleshooting for automatic gate systems.</p>
	<p><a href="#">TOPENS XD851 Smart Swing Gate Opener Installation Manual</a></p> <p>Comprehensive installation manual for the TOPENS XD851 smart swing gate opener. Covers safety, setup, specifications, and accessories for automated gate systems.</p>
	<p><a href="#">TOPENS Dual Swing Gate Opener User's Manual AT602/AT1202</a></p> <p>Comprehensive user manual for TOPENS AT602 and AT1202 Dual Swing Gate Openers, covering safety, installation, parts, technical specifications, operation, remote programming, control board settings, maintenance, and troubleshooting.</p>



